

## Claims

[c1] 1. A method of automatically switching a communication mode of a mobile communication device from a first communication system to a second communication system, said method comprising:

detecting whether said mobile communication device is located within an effective area of said first communication system;

wherein when said mobile communication device is located within said effective area of said first communication system, said mobile communication device remain on standby in said communication mode of said first communication system;

detecting whether said mobile communication device is located within an effective area of said second communication system when said mobile communication device is not located within said effective area of said first communication system; and

wherein when said mobile communication device is located within said effective area of said second communication system, said mobile communication device is set on standby in a communication mode of said second communication system.

- [c2] 2. The method of claim 1, further comprising said mobile communication device set on standby in a communication mode of no communication system when said mobile communication device is not located within said effective area of said second communication system.
- [c3] 3. The method of claim 1, wherein said first communication system is a Personal Handyphone System (PHS).
- [c4] 4. The method of claim 1, wherein said first communication system is a Group System for Mobile communication (GSM).
- [c5] 5. The method of claim 1, wherein during said step of detecting whether said mobile communication device is located within said effective area of said first communication system, said mobile communication device is on standby in said communication mode of said first communication system.
- [c6] 6. The method of claim 1, wherein during said step of detecting whether said mobile communication device is located within said effective area of said first communication system, said mobile communication device is on standby in said communication mode of said second communication system.

[c7] 7.The method of claim 1, wherein during said step of detecting whether said mobile communication device is located within said effective area of said first communication system, said mobile communication device is on standby in said communication mode of no communication system.